



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Bo Pi et al. Art Unit: 2874
Serial No.: 10/064,201 Examiner: Therese Barber
Filed : June 20, 2002
Title : FIBER TAP MONITOR BASED ON EVANESCENT COUPLING

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

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Consideration of the foregoing and enclosures plus the return of a copy of the enclosed form PTO-1449 with the Examiner's initials in the left column per MPEP 609 are earnestly solicited along with an early action on the merits.

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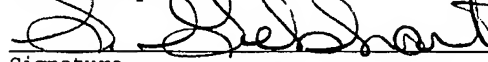
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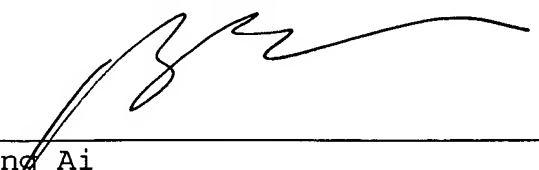
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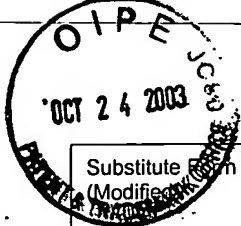


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Fish & Richardson P.C.
USPTO Customer No. **20985**
4350 La Jolla Village Drive, Suite 500
San Diego, CA 92122
Telephone: (858) 678-5070
Facsimile: (858) 678-5099

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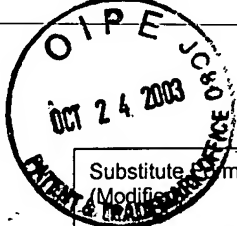


Substitute Form PTO-1449 (Modified)	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 12227-045001	Application No. 10/064,201
Information Disclosure Statement by Applicant (Use several sheets if necessary) (37 CFR §1.98(b))		Applicant Bo Pi et al.	
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U.S. Patent Documents

Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
	ABB	5,533,155	07/02/96	Barberio <i>et al.</i>			
	ACC	5,586,205	12/17/96	Chen <i>et al.</i>			
	ADD	5,623,567	04/22/97	Barberio <i>et al.</i>			
	AEE	5,651,085	07/22/97	Shin-Lo Chia			
	AFF	5,729,641	03/17/98	Chandonnet <i>et al.</i>			
	AGG	5,781,675	07/14/98	Tseng <i>et al.</i>			
	AHH	5,809,188	09/15/98	Tseng <i>et al.</i>			
	AII	5,841,926	11/24/98	Takeuchi <i>et al.</i>			
	AJJ	5,854,864	12/29/98	Knoesen <i>et al.</i>			
	AKK	5,892,857	04/06/99	Kevin J. McCallion			
	ALL	5,900,983	05/04/99	Ford <i>et al.</i>			
	AMM	5,903,685	05/11/99	Jones <i>et al.</i>			
	ANN	5,915,063	06/22/99	Colbourne <i>et al.</i>			
	AOO	5,940,556	08/17/99	Moslehi <i>et al.</i>			
	APP	5,963,291	10/05/99	Wu <i>et al.</i>			
	AQQ	5,966,493	10/12/99	Wagoner <i>et al.</i>			
	ARR	5,970,201	10/19/99	Anthony <i>et al.</i>			
	ASS	6,011,881	01/04/00	Moslehi <i>et al.</i>			
	ATT	6,026,205	02/15/00	McCallion <i>et al.</i>			
	AUU	6,038,359	03/14/00	Moslehi <i>et al.</i>			
	AVV	6,052,220	04/18/00	Lawrence <i>et al.</i>			
	AWW	6,058,226	05/02/00	Dmitry Starodubov			
	AXX	6,130,984	10/10/00	Shen <i>et al.</i>			
	AYY	6,134,360	10/17/00	Cheng <i>et al.</i>			
	AZZ	6,144,793	11/07/00	Matsumoto <i>et al.</i>			
	AAAA	6,185,358	02/06/01	Chan-Sik Park			
	ABBB	6,490,391	12/3/02	Zhao et al.			

Examiner Signature	Date Considered
EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	



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U.S. Patent Documents							
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	ACCC	6,501,875	12/31/02	Zhao et al.			
	ADDD	6,516,114	2/4/03	Zhao et al.			
	AEEE	6,542,663	4/1/03	Zhao et al.			
	AFFF	6,549,713	4/15/03	Pi et al.			
	AGGG	6,556,746	4/29/03	Zhao et al.			
	AHHH	6,571,035	5/27/03	Pi et al.			
	AIII	6,597,833	7/22/03	Pi et al.			
	AJJJ	6,621,951	9/16/03	Zhao et al.			
	AKKK	6,621,952	9/16/03	Pi et al.			
	ALLL	6,625,349	9/23/03	Zhao et al.			

Foreign Patent Documents or Published Foreign Patent Applications								
Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation	
							Yes	No
	AMMM	52-14430A2	02/03/77	Japan				
	ANNN	54-118255A2	09/13/79	Japan				
	AOOO	54-101334A2	08/09/79	Japan				
	APPP	54-4153A2	01/12/79	Japan				
	AQQQ	53-91752A2	08/11/78	Japan				
	ARRR	52-24539	02/24/77	Japan				
	ASSS	58-10701	01/21/83	Japan				
	ATTT	54-68651	01/06/79	Japan				
	AUUU	56-85702	07/13/81	Japan				
	AVVV	54-8542	01/22/79	Japan				
	AWWW	64-50003	02/27/89	Japan				
	AXXX	1-222205	09/05/89	Japan				
	AYYY	1-130106	05/23/89	Japan				
	AZZZ	4-31801	02/04/92	Japan				

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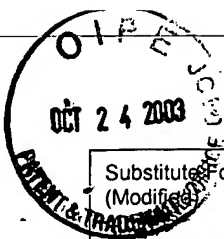
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	AAAAA	60-131503	07/13/85	Japan				
	ABBBB	1-255803	10/12/89	Japan				
	ACCCC	28 12 346A1	03/21/78	Germany				
	ADDDD	WO 87/03676	06/18/87	WIPO				
	AEEEE	0178045A1	04/16/86	EPO				
	AFFFF	2613844A1	10/14/88	France				

Other Documents (include Author, Title, Date, and Place of Publication)		
Examiner Initial	Desig. ID	Document
	AGGGG	McCallion <i>et al.</i> , "Side-polished fiber provides functionality and transparency," (Abstract) Laser Focus World, vol. 34, no. 9, p. S19-20, S22, S24, PennWell Publishing, September, 1998.
	AHHHH	Das <i>et al.</i> , "Automatic determination of the remaining cladding thickness of a single-mode fiber half-coupler," (Abstract) Optics Letters, vol. 19, no. 6, p. 384-6, March 15, 1994.
	AIIII	Ishikawa <i>et al.</i> , "A new optical attenuator using the thermal diffusion of W-cladding fiber," (Abstract) MOC/GRIN '97 Technical Digest of the 6 th Microoptics Conf./14 th Topical Meeting on Gradient-Index Optical Systems in Tokyo, Japan, p. (vii+432+27), 208-11, Oct. 1997.
	AJJJJ	Matejec <i>et al.</i> , "Optical fiber with novel geometry for evanescent-wave sensing," (Abstract) Sensors and Actuators B, (Chemical), vol. B29, no. 1-3, p. 416-22, Elsevier Publishing, Oct. 1995.
	AKKKK	Alonso <i>et al.</i> , "Single-mode, optical-fiber sensors and tunable wavelength filters based on the resonant excitation of metal-clad modes," (Abstract) Applied Optics, vol. 33, no. 22, p. 5197-201, Aug. 1, 1994.
	ALLLL	Tomita <i>et al.</i> , "Leaky-mode loss of the second propagating mode in single-mode fibres with index well profiles," (Abstract) Applied Optics, vol. 24, no. 11, p. 1704-7, June 1, 1995.
	AMMMM	Leminger <i>et al.</i> , "Determination of the variable core-to-surface spacing of single-mode fiber-coupler blocks," (Abstract) Optics Letters, vol. 12, no. 3, p. 211-13, March, 1987.
	ANNNN	Morshnev <i>et al.</i> , "A fiber thermo-optical attenuator," (Abstract) Source: Radiotekhnika i Elektronika, Translated in: Soviet Journal of Communications Technology & Electronics, vol. 30, no. 9, p. 148-50, Sept., 1985.
	AOOOO	Takahashi Mitsuo, "Variable light attenuator of improved air-gap type with extremely low returning light," (Abstract) Conf. Record - IEEE Instrumentation and Measurement Tech. Conf. 2, p. 947-950, 1994.
	APPPP	Schmidt <i>et al.</i> , "New design approach for a programmable optical attenuator," (Abstract) Hewlett-Packard Journal, v. 46, n. 1, p. 34-39, 1995.
	AQQQQ	Hayata <i>et al.</i> , "Algebraically decaying modes of dielectric planar waveguides," Optics Letters, vol. 20, no. 10, p. 1131-32, May 15, 1995.
	ARRRR	Vengsarkar <i>et al.</i> , "Photoinduced refractive-index changes in two-mode, elliptical-core fibers: sensing applications," Optics Letters, vol. 16, no. 19, p. 1541-43, Oct. 1, 1991.

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Other Documents (include Author, Title, Date, and Place of Publication)		
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	ASSSS	Pantchev <i>et al.</i> , "Method of Refractive Index Profile Reconstruction from Effective Index of Planar Optical Monomode Waveguides: Application to Potassium Ion-Exchanged Waveguides," IEEE Journal of Quantum Electronics, vol. 29, no. 1, p. 154-60, January 1993.
	ATTTT	Ikeda <i>et al.</i> , "Analysis of the Attenuation Ratio of MQW Optical Intensity Modulator for 1.55 μ m Wavelength Taking Account of Electron Wave Function Leakage," IEEE Journal of Quantum Electronics, vol. 32, no. 2, p. 284-92, February 1996.
	AUUUU	S. Masuda, "Variable attenuator for use in single-mode fiber transmission systems," Applied Optics, vol. 19, no. 14, p. 2435-38, July 15, 1980.
	AVVVV	Huang <i>et al.</i> , "Field-Induced Waveguides and Their Application to Modulators," IEEE Journal of Quantum Electronics, vol. 29, no. 4, p. 1131-1143, April 1993.
	AWWWW	Iztkovich <i>et al.</i> , "In-Situ Investigation of Coupling Between a Fibre and a Slab Waveguide," Tel Aviv University, Israel, May 29, 1990.
	AXXXX	Brierley <i>et al.</i> , "Amplitude and phase characterization of polished directional half-couplers with variable refractive index overlays," Optical Engineering, vol. 27, no. 1, p. 045-49, January 1988.
	AYYYY	Scholl <i>et al.</i> , "In-line fiber optical attenuator and powermeter," SPIE vol. 1792 Components for Fiber Optic Applications VII, p. 65-70, 1992.
	AZZZZ	Tsujimoto <i>et al.</i> , "Fabrication of Low-Loss 3 dB Couplers With Multimode Optical Fibres," Electronics Letters, vol. 14, no. 5, March 2, 1978.

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